Docket No.: M4065.0912/P912

ABSTRACT

[0047] A dynamic CAM cell has features that reduce the effect of noise within a CAM array. By shielding the matchline from the wordline, noise transmitted from the matchline to the wordline is reduced. By placing the searchline equally distant from a bitline and the bitline complement, the noise transmitted by the searchline is received equivalently by both the bitline and the bitline complement and therefore cancelled out.